

Attorney Docket No.: 3556.224-US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Uffe Loevborg

Confirmation No: 5207

FAX RECEIVED

Serial No.: 09/056,343

Group Art Unit: 1652

OCT 31 2002

Filed: April 7, 1998

Examiner: W. Moore

GROUP 1600

For: Proteins with Changed Epitopes and Methods for the Production Thereof

CERTIFICATE OF FACSIMILE TRANSMISSION

Commissioner for Patents
Washington, DC 20231

Sir:

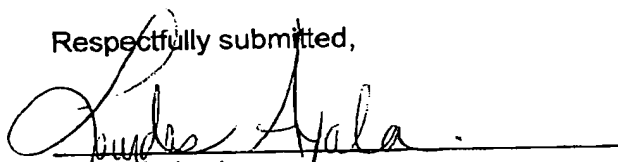
I hereby certify that the attached correspondence comprising:

1. Amendment Fee Transmittal (in duplicate)
2. Amendment

was sent to the United States Patent and Trademark Office by telefax to the attention of Examiner W. Moore, fax number (703) 308-4242.

Respectfully submitted,

Date: October 30, 2002


Lourdes Ayala
Novozymes North America, Inc.
500 Fifth Avenue, Suite 1600
New York, NY 10110
(212) 840-0097

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AMENDMENT FEE TRANSMITTALCommissioner for Patents
Washington, DC 20231

Sir:

Transmitted herewith is an Amendment for the above-identified application in response to the Office Action mailed April 9, 2002.

The fee for claims has been calculated as shown below:

Total: $39 - 29 = 10 \times 18 = \180 Independent: $5 - 4 = 1 \times 84 = \$84$

Total additional fee for claims required is \$264.

Please charge the required claim fees, estimated to be \$264, to Novozymes North America, Inc., Deposit Account No. 50-1701. A duplicate of this sheet is enclosed.

Respectfully submitted,

Date: October 30, 2002



Elias J. Lambiris, Reg. No. 33,728
Novozymes North America, Inc.
500 Fifth Avenue, Suite 1600
New York, NY 10110
(212) 840-0097

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SUPPLEMENT AMENDMENT UNDER 37 C.F.R. 1.111

Commissioner for Patents
Washington, DC 20231

Sir:

Further in response to the Office Action mailed April 9, 2002, please amend the above-identified application as follows:

IN THE CLAIMS:

Please cancel claims 67-76 without prejudice and disclaimer. Please add new claims 77-96:

77. A method for producing a DNA molecule encoding a variant of a reference protein having a known amino acid sequence, comprising

- (a) production of one or more variants of the reference protein;
- (b) raising antibodies against the reference protein and the one or more variants thereof;
- (c) mapping one or more epitopes of the reference protein with immunological and proteochemical techniques by testing the antibodies towards the reference protein or the variants thereof; and
- (d) forming a DNA molecule encoding the amino acid sequence of a selected variant, which has an altered amino acid sequence of one or more epitopes of the reference protein, wherein the selected variant evokes a lower immunogenic response in an animal than the reference protein.

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01 FC:1201
02 FC:1202

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180.00 CH

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